

**Conductoare din otel-aliaj de aluminiu, tip AL3/ST1A (aliaj din aluminiu tip AL3, otel tip ST1A), conform EN 50182 , utilizate in Germania
 AACSR, Aluminium alloy conductors, Steel Reinforced, type AL3/ST1A (aluminium alloy type AL3, steel type ST1A), according to EN 50182,
 designed to be used in Germany**

Cod	Cod vechi	Sectiune aluminiu	Sectiune otel	Sectiune totala	Numar sarme otel	Diametru	Numar sarme aluminiu	Diametru	Diametru inima	Diametru conductor	Masa conductor	Forta de rupere nominala	Rezistenta electrica la 20°C	Capacitatea de transport a curentului
Code name	Old code name	AL. area	ST. area	AACSR area	No. of steel wires	Steel diameter	No. of AL. wires	AL. diameter	Core diameter	Overall diameter	Linear weight	Breaking Load	Resistance at 20°C	Current carrying capacity
		mm ²	mm ²	mm ²		mm		mm	mm	mm	kg/km	kN	Ohmi/km	A
15-AL3 / 3-ST1A	16/2.5	15.3	2.54	17.8	1	1.80	6	1.80	1.80	5.40	61.6	7.48	2.1602	134
24-AL3 / 4-ST1A	25/4	23.9	3.98	27.8	1	2.25	6	2.25	2.25	6.75	96.2	11.69	1.3825	179
34-AL3 / 6-ST1A	35/6	34.4	5.73	40.1	1	2.70	6	2.70	2.70	8.10	138.6	16.66	0.9601	226
44-AL3 / 32-ST1A	44/32	44.0	31.7	75.6	7	2.40	14	2.00	7.20	11.2	369.1	49.08	0.7566	279
48-AL3 / 8-ST1A	50/8	48.3	8.04	56.3	1	3.20	6	3.20	3.20	9.60	194.7	23.08	0.6835	281
51-AL3 / 30-ST1A	50/30	51.2	29.8	81.0	7	2.33	12	2.33	6.99	11.7	374.6	49.12	0.6496	307
70-AL3 / 11-ST1A	70/12	69.9	11.4	81.3	7	1.44	26	1.85	4.32	11.7	282.0	33.96	0.4756	356
94-AL3 / 15-ST1A	95/15	94.4	15.3	109.7	7	1.67	26	2.15	5.01	13.6	380.3	45.79	0.3521	432
97-AL3 / 56-ST1A	95/55	96.5	56.3	152.8	7	3.20	12	3.20	9.60	16.0	706.5	90.40	0.3444	458
106-AL3 / 76-ST1A	105/75	105.7	75.5	181.2	19	2.25	14	3.10	11.3	17.5	885.0	119.56	0.3155	492
122-AL3 / 20-ST1A	120/20	121.6	19.8	141.4	7	1.90	26	2.44	5.70	15.5	490.6	59.09	0.2734	510
122-AL3 / 71-ST1A	120/70	122.1	71.3	193.4	7	3.60	12	3.60	10.8	18.0	894.2	114.41	0.2721	534
128-AL3 / 30-ST1A	125/30	127.9	29.8	157.8	7	2.33	30	2.33	6.99	16.3	586.6	71.76	0.2601	530
149-AL3 / 24-ST1A	150/25	148.9	24.2	173.1	7	2.10	26	2.70	6.30	17.1	600.3	72.28	0.2233	581
172-AL3 / 40-ST1A	170/40	171.8	40.1	211.8	7	2.70	30	2.70	8.10	18.9	787.7	96.36	0.1937	642
184-AL3 / 30-ST1A	185/30	183.8	29.8	213.6	7	2.33	26	3.00	6.99	19.0	740.4	88.24	0.1809	665
209-AL3 / 34-ST1A	210/35	209.1	34.1	243.2	7	2.49	26	3.20	7.47	20.3	843.5	100.54	0.1590	724
212-AL3 / 49-ST1A	210/50	212.1	49.5	261.5	7	3.00	30	3.00	9.00	21.0	972.5	118.96	0.1569	736
231-AL3 / 30-ST1A	230/30	230.9	29.8	260.8	7	2.33	24	3.50	6.99	21.0	870.1	102.14	0.1439	769
243-AL3 / 39-ST1A	240/40	243.1	39.5	282.5	7	2.68	26	3.45	8.04	21.8	979.4	116.72	0.1368	797
264-AL3 / 34-ST1A	265/35	263.7	34.1	297.7	7	2.49	24	3.74	7.47	22.4	993.6	116.64	0.1260	837
304-AL3 / 49-ST1A	300/50	304.3	49.5	353.7	7	3.00	26	3.86	9.00	24.4	1226.4	146.16	0.1092	923
305-AL3 / 39-ST1A	305/40	304.6	39.5	344.1	7	2.68	54	2.68	8.04	24.1	1150.3	134.88	0.1093	919
339-AL3 / 30-ST1A	340/30	339.3	29.8	369.1	7	2.33	48	3.00	6.99	25.0	1170.2	134.12	0.0980	981
382-AL3 / 49-ST1A	380/50	381.7	49.5	431.2	7	3.00	54	3.00	9.00	27.0	1441.4	169.01	0.0872	1064
386-AL3 / 34-ST1A	385/35	386.0	34.1	420.1	7	2.49	48	3.20	7.47	26.7	1332.4	152.74	0.0862	1067
434-AL3 / 56-ST1A	435/55	434.3	56.3	490.6	7	3.20	54	3.20	9.60	28.8	1640.0	190.04	0.0766	1158
449-AL3 / 39-ST1A	450/40	448.7	39.5	488.2	7	2.68	48	3.45	8.04	28.7	1547.7	177.39	0.0741	1176
490-AL3 / 64-ST1A	490/65	490.3	63.6	553.8	7	3.40	54	3.40	10.2	30.6	1851.4	214.54	0.0679	1253
550-AL3 / 71-ST1A	550/70	549.7	71.3	620.9	7	3.60	54	3.60	10.8	32.4	2075.6	240.52	0.0605	1350
562-AL3 / 49-ST1A	560/50	561.7	49.5	611.2	7	3.00	48	3.86	9.00	32.2	1937.8	222.11	0.0592	1362
679-AL3 / 86-ST1A	680/85	678.6	86.0	764.5	19	2.40	54	4.00	12.0	36.0	2547.6	298.17	0.0490	1549